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G Apostolopoulos, D Aubespín, V Peris, P Pradham, ... - INFOCOM 2000. Nineteenth Annual Joint Conference of the IEEE ..., 2000 - [ieeexplore.ieee.org](#)
 ... level information, such as URLs when routing a connection ... cached and improving the performance of the cache cluster. ... from the switch to the destination is an ...
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 ... The switch, the routing equipment, and the caches; ... a full gigabit of HTTP traffic to the cache cluster. ... be keyed on the source and destination IP addresses and ...
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 ... WCCP enables Cisco IOS routing platforms to transparently ... to the originally specified destination server ... attempting to resend the request to the cache cluster). ...
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V Kurz - [edu.lut.fi](#)
 ... IP stack on router must be configured so, that all HTTP traffic (TCP port 80 ... from local network is redirected to the proxy software instead of normal routing ...
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[An application of the Internet-backgrounds and issues - all 3 versions »](#)

K Yoshida, K Hashimoto - Applications and the Internet Workshops, 2003. Proceedings. ..., 2003 - [ieeexplore.ieee.org](#)
 ... sends a packet to some destination, it follows the ... The modification of routing probabilities follows the ... They also adapt the cache cluster configuration to the ...
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[\[BOOK\] L5: A Self Learning Layer 5 Switch - all 4 versions »](#)

G Apostolopoulos - 1999 - [private.org.il](#)
 ... with destination address VIP and destination port 80 ... the effective throughput of the cache cluster by partitioning ... The Cache Array Routing Protocol(CARP) [17 ...
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P Druschel - [mpi-sb.mpg.de](#)
 ... web cache web cache cluster web server Page 10. ... preserve the integrity of routing tables ... numerically closer to the destination than the current node Page 45. ...
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[\[PS\] Cache is better than Check](#)

R Bhagwan, K Lahiri, K Miller, P Mukhopadhyay - [cs.ucsd.edu](#)
 ... the hash function used to map destination addresses to ... 3.5.2 Routing Strategies The cache clusters referred ... made by the downstream cache cluster being mapped ...
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[Methods and apparatus for redirecting network traffic - all 2 versions »](#)

D Kwok, GS Tiwana, JA Aviani Jr, M Cieslak, MA ... - US Patent 6,683,873, 2004 - Google Patents

... new cache node joins a particular **cache cluster**, buckets may ... cache system 112 did

not **redirect** the packet flow to its intended **destination** and attempted ...

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N Chandhok - cis.ohio-state.edu

... to the services or decide to **redirect** the client ... healing" in case a particular **cache**

cluster fails ... a hashing function based on the **destination IP** address of ...

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[Efficient IP load-balancing traffic distribution using ternary CAMs - all 3 versions »](#)

L Dale, M Cieslak - US Patent 7,062,571, 2006 - Google Patents

... The network device 106 may **redirect** certain traffic, eg ... to each cache system within

the same **cache cluster**. ... traffic is allocated based on IP **destination** address ...

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[Configuring Web Cache Services Using WCCP - all 2 versions »](#)

FC Reference - ciscosystems.com

... attempting to resend the request to the **cache cluster**. ... host host-address

[**destination-address** | **destination** -host | any] ... ip wccp web-cache **redirect-list** access ...

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GS Tiwana, D Kwok, JA Aviani Jr, M Cieslak, MA ... - US Patent 7,069,324, 2006 - Google Patents

... the router is enabled to recognize and **redirect** data traffic ... as if it were communicating

with the **destination** platform. ... referred to as a " **cache cluster**" or "cache ...

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V Kurz - edu.lut.fi

... iptables -t nat -A PREROUTING -i wlan0 -p tcp --dport 80 -d 10.0.0.1 -j REDIRECT

--to-port 8080 10.0.0.1 is the IP address of the router's wlan0 interface ...

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[\[book\] Transparent Web Caching with Minimum Response Time - all 2 versions »](#)

Q Zou - 2002 - collectionscanada.ca

... Layer 5 switching-based transparent Web caching schemes intercept HTTP requests

and **redirect** them according to their content. Employment of ...

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[Network Working Group I. Cooper Request for Comments: 3040 Equinix, Inc. Category: Informational I. ... - all 51 versions »](#)

G Tomlinson, CF Inc - Network - portal.acm.org

... paths between source and **destination**, transparent to HTTP. ... Also known as "diffused

array" or "**cache cluster**". ... interception may choose to **redirect** requests from ...

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DAN LI - doi.wiley.com

... A Web **cache cluster** can either have enough processing power and disk space to support ...

a set of zero or more hosts identified by a single IP **destination** address ...

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[\[ps\] Toward Intelligent Internet Object Caching](#)

B Kolics - sztaki.hu

... the port numbers used in IP communication. ... POST It is used to request that the

destination server accept ... tation and **redirect** its request to that location. ...

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[IP switching and gigabit routers](#) - all 7 versions »

 P Newman, G Minshall, T Lyon, L Huston - Communications Magazine, IEEE, 1997 - [ieeexplore.ieee.org](#)

... with a VCI, but the task of cache lookup and ... it must examine more fields than the

destination address. ... router network would need to perform the route lookup at ...

 Cited by 188 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)
[D Johnson](#)
[C Perkins](#)
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[J Broch](#)
[High-performance IP routing table lookup using CPU caching](#) - all 3 versions »

 T Chueh, P Pradhan - INFOCOM'99. Eighteenth Annual Joint Conference of the IEEE ..., 1999 - [ieeexplore.ieee.org](#)

... of this algorithm is that routing table lookup is a search of the mapping from

destination IP addresses to output ports, and the CPU cache on modem ...

 Cited by 93 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)
[A review of current routing protocols for ad hoc mobile wireless networks](#) - all 21 versions »

 EM Royer, CK Toh - Personal Communications, IEEE [see also IEEE Wireless ..., 1999 - [ieeexplore.ieee.org](#)

... initiates, and together with the node's IP address, uniquely ... has a packet to send

to some destination, it first consults its route cache to determine ...

 Cited by 1307 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)
[A secure routing protocol for ad hoc networks](#) - all 35 versions »

 K Sanzgiri, B Dahill, BN Levine, C Shields, EM ... - Network Protocols, 2002. Proceedings. 10th IEEE ..., 2002 - [ieeexplore.ieee.org](#)

... such as by altering its MAC or IP address in ... in that packet's header to its own route

cache, even if that node is not on the path from source to destination. ...

 Cited by 296 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#)
[Ad hoc On-Demand Distance Vector \(AODV\) Routing](#) - all 6 versions »

 CE Perkins, EM Royer, ... - Proceedings of the 2nd IEEE Workshop on Mobile Computing ..., 1999 - [srmnet.snu.ac.kr](#)

... Sends at Least One Packet in This Time Route Cache Timer Purges Inactive Routes

Page 20. ... 20 Each Route Table Entry Contains Destination Next Hop Number of Hops ...

 Cited by 2367 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Import into EndNote](#)
[ONE-IP: Techniques for hosting a service on a cluster of machines](#) - all 6 versions »

 OP Damani, PE Chung, Y Huang, C Kintala, YM Wang - Computer Networks and ISDN Systems, 1997 - [decweb.ethz.ch](#)

... IP address because that is the destination IP address in ... a packet destined for the

ghost IP is received ... to ask the router to update its routing cache, so that ...

 Cited by 170 - [Related Articles](#) - [Cached](#) - [Web Search](#) - [Import into EndNote](#)
[Route Optimization for Mobile IP](#) - all 4 versions »

CE Perkins, DB Johnson - Cluster Computing, 1998 - Springer

... a mobile node, it consults its binding cache to tunnel ... the packet, setting the tunnel

destination to be ... from a mobile node illustrates a routing anomaly caused ...

 Cited by 406 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)
[Scalable high speed IP routing lookups](#) - all 55 versions »

 M Waldvogel, G Varghese, J Turner, B Plattner - ACM SIGCOMM Computer Communication Review, 1997 - [ece.uvic.ca](#)

... assigns and distributes tags based on routing information; thus ... has to know tags

in the destination networks. ... Caching For years, designers of fast routers have ...

 Cited by 474 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)
[Internet routing instability](#) - all 56 versions »

 C Labovitz, GR Malan, F Jahanian - Networking, IEEE/ACM Transactions on, 1998 - [ieeexplore.ieee.org](#)

... architecture [10]. In this architecture, routers maintain a routing

table cache of destination and next-hop lookups. As long ...

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[Design, Implementation, and Evaluation of Cellular IP](#) - all 21 versions »

 AT Campbell, J Gomez, S Kim, AG Vaiko, CY Wan, Z ... - IEEE Personal Communications, 2000 - [ntrg.cs.tcd.ie](#)

... the gateway or base stations find no valid routing cache mapping for the destination .

If the base station has no paging cache, it will forward the ...

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ONE-IP: Techniques for hosting a service on a cluster of machines - all 6 versions »

OP Damani, PE Chung, Y Huang, C Kintala, YM Wang - Computer Networks and ISDN Systems, 1997 - decweb.ethz.ch

... This clear distinction separates the cluster service from ... address because that is the destination IP address in ... the router to update its routing cache, so that ...

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[E Royer](#)
[B Karp](#)
[C Toh](#)
[H Kung](#)
[S Deering](#)
A review of current routing protocols for ad hoc mobile wireless networks - all 21 versions »

EM Royer, CK Toh - Personal Communications, IEEE [see also IEEE Wireless ...], 1999 - ieeeexplore.ieee.org

... used to reach the selected cluster head ... is removed from the node's route cache and

all ... Temporally Ordered Routing Algorithm — The Temporally Ordered Routing ...

 Cited by 1307 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)
High-performance IP routing table lookup using CPU caching - all 3 versions »

T Chiueh, P Pradhan - INFOCOM'99. Eighteenth Annual Joint Conference of the IEEE ..., 1999 - ieeeexplore.ieee.org

... muting table lookup algorithm used in a cluster-based paral ... 16-KByte L2 cache and

a 1-MByte L2 cache. ... I. INTRODUCTION Each f)1 routing table entry 2 logically ...

 Cited by 93 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)
Route Optimization for Mobile IP - all 4 versions »

CE Perkins, DB Johnson - Cluster Computing, 1998 - Springer

Cluster Computing 1 (1998) 161–176 ... node's home agent indi- cated in that binding

cache entry ... necessary, since it does not directly affect the routing of IP ...

 Cited by 406 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)
Internet routing instability - all 56 versions »

C Labovitz, GR Malan, F Jahanian - Networking, IEEE/ACM Transactions on, 1998 - ieeeexplore.ieee.org

... architecture [10]. In this architecture, routers maintain a routing

table cache of destination and next-hop lookups. As long ...

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A review of routing protocols for mobile ad hoc networks - all 7 versions »

M Abolhasan, T Wysocki, E Dutkiewicz... - Ad Hoc Networks, 2004 - Elsevier

... X=number of clusters (each cluster has one cluster-head); R ... Since they routes stored

in the route cache will be valid ... Routing on-demand acyclic multi-path (ROAM ...

 Cited by 119 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#)
Cache memory design for network processors - all 4 versions »

TC Chiueh, P Pradhan - High-Performance Computer Architecture, 2000. HPCA-6. ..., 2000 - ieeeexplore.ieee.org

... SUNY at Stony Brook's Suez router project [15] is based on a cluster architecture

that ... For the host address cache, modification of the routing table due ...

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A 50-Gb/s IP router - all 55 versions »

C Partridge, PP Carvey, E Burgess, I Castineyra, T ... - IEEE/ACM Transactions on Networking (TON), 1998 - portal.acm.org

... computes the hash offset into the route cache and loads ... if the cached route matches

the destination of the ... extended lookup which examines the routing table in ...

 Cited by 187 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)
Scalable Web server clustering technologies - all 7 versions »

T Schroeder, S Goddard, B Ramamurthy - Network, IEEE, 2000 - ieeeexplore.ieee.org

... The primary dispatcher runs a cache consistency protocol ... Utilizing normal network

routing rules, this traffic ... source address to the cluster address, recomputes ...

 Cited by 149 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)
Operating systems support for programmable cluster-based Internet routers - all 6 versions »

P Pradhan, TC Chiueh - Hot Topics in Operating Systems, 1999. Proceedings of the ..., 1999 - ieeeexplore.ieee.org

... requires that the buffer memory distributed across the router cluster be managed ... mapped

to a vir- tual memory address so that routing-table cache lookup is ...

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	481933	cache temporary transient	US-PGPUB; USPAT	OR	ON	2007/10/18 13:48
L2	1079964	memory	US-PGPUB; USPAT	OR	ON	2007/10/18 13:48
L3	350110	destination IP	US-PGPUB; USPAT	OR	ON	2007/10/18 13:49
L4	4598562	short\$4 rout\$4 direct\$4	US-PGPUB; USPAT	OR	ON	2007/10/18 13:49
L5	183391	traffic	US-PGPUB; USPAT	OR	ON	2007/10/18 13:50
L6	2267	4 with 3 with 1	US-PGPUB; USPAT	OR	ON	2007/10/18 13:50
L7	7149	(709/218,238-244).CCLS.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2007/10/18 13:50
L8	217	7 and 6	US-PGPUB; USPAT	OR	ON	2007/10/18 14:10
L10	18	traffic adj handling adj system	US-PGPUB; USPAT	OR	ON	2007/10/18 14:12
L11	58381	("709").CLAS.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2007/10/18 14:12
L12	1	10 and 11	US-PGPUB; USPAT	OR	ON	2007/10/18 14:12
L13	70003	1 near2 2	US-PGPUB; USPAT	OR	ON	2007/10/18 14:13
L14	3995743	cluster group system	US-PGPUB; USPAT	OR	ON	2007/10/18 14:14
L15	26858	13 with 14	US-PGPUB; USPAT	OR	ON	2007/10/18 14:14
L16	254	15 and 7	US-PGPUB; USPAT	OR	ON	2007/10/18 14:31
L17	9659	1 with 3	US-PGPUB; USPAT	OR	ON	2007/10/18 14:32
L18	3763	cache with destination	US-PGPUB; USPAT	OR	ON	2007/10/18 14:32
L19	1145	cache with (destination near3 address)	US-PGPUB; USPAT	OR	ON	2007/10/18 14:34
L20	254	11 and 19	US-PGPUB; USPAT	OR	ON	2007/10/18 14:33

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L21	24246	14 near3 cache	US-PGPUB; USPAT	OR	ON	2007/10/18 14:33
L22	51117	(destination near3 address)	US-PGPUB; USPAT	OR	ON	2007/10/18 14:34
L23	89288	(destination IP) near3 address	US-PGPUB; USPAT	OR	ON	2007/10/18 14:39
L24	258	21 same 23	US-PGPUB; USPAT	OR	ON	2007/10/18 14:40
L25	98	24 and 11	US-PGPUB; USPAT	OR	ON	2007/10/18 15:40
L26	1286	cache with missing	US-PGPUB; USPAT	OR	ON	2007/10/18 15:40
L27	16771	local with cache	US-PGPUB; USPAT	OR	ON	2007/10/18 15:41
L28	5948	27 and 21	US-PGPUB; USPAT	OR	ON	2007/10/18 15:41
L29	30053	cache	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 15:41
L30	122943	route	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 15:41
L31	3098934	content data	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 15:42
L32	562	cache near5 (cluster group)	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 15:42
L33	10	32 and 30	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 15:42
L34	0	(traffic adj handling adj system). clm.	US-PGPUB	OR	ON	2007/10/18 15:43
L35	2289	destin\$4.clm.	US-PGPUB	OR	ON	2007/10/18 15:43
L36	36413	((portion part piece) near4 (data)). clm.	US-PGPUB	OR	ON	2007/10/18 15:44
L37	14449	redirect\$4.clm.	US-PGPUB; USPAT	OR	ON	2007/10/18 15:44
L38	1	35 and 36 and 37	US-PGPUB; USPAT	OR	ON	2007/10/18 15:44

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S1	1695	spoofed	US-PGPUB; USPAT	OR	ON	2007/10/18 10:55
S2	4298	traffic adj management	US-PGPUB; USPAT	OR	ON	2007/10/18 10:55
S4	102687	cache	US-PGPUB; USPAT	OR	ON	2007/10/18 10:55